

# SLOPE SETBACK

## 1806.5 Footings on or Adjacent to Slopes.

1806.5.1 Scope. The placement of buildings and structures on or adjacent to slopes steeper than 1 unit vertical in 3 units horizontal (33.3% slope) shall be in accordance with this section.

1806.5.2 Building clearance from ascending slopes. In general, buildings below slopes shall be set a sufficient distance from the slope to provide protection from slope drainage, erosion and shallow failures. Except as provided for in Section 1806.5.6 and Figure 18-I-1, the following criteria will be assumed to provide this protection. Where the existing slope is steeper than 1 unit vertical to 1 unit horizontal (100% slope), the toe of the slope shall be assumed to be at the intersection of a horizontal plane drawn from the top of the foundation and a plane drawn tangent to the slope at an angle of 45 degrees to the horizontal. Where a retaining wall is constructed at the toe of the slope, the height of the slope shall be measured from the top of the wall to the top of the slope.

1806.5.3. Footing setback from descending slope surface. Footing on or adjacent to slope surfaces shall be found in firm material with an embedment and setback from the slope surface sufficient to provide vertical and lateral support for the footing without detrimental settlement. Except as provided for in Section 1806.5 and Figure 18-I-1, the following setback is deemed adequate to meet the criteria. Where the slope is steeper than 1 unit vertical in 1 unit horizontal (100%), the required setback shall be measured from an imaginary plane 45 degrees to the horizontal, projected upward from the toe of the slope.

### NOTES:

1. GRADING PERMITS ARE ISSUED BY PUBLIC WORKS.
2. ALL FILLS MUST COMPLY WITH AN ENGINEER'S DESIGN/OBSERVATION.
3. FILLS MUST BE CERTIFIED BY AN ENGINEER TO MEET 90% COMPACTION.

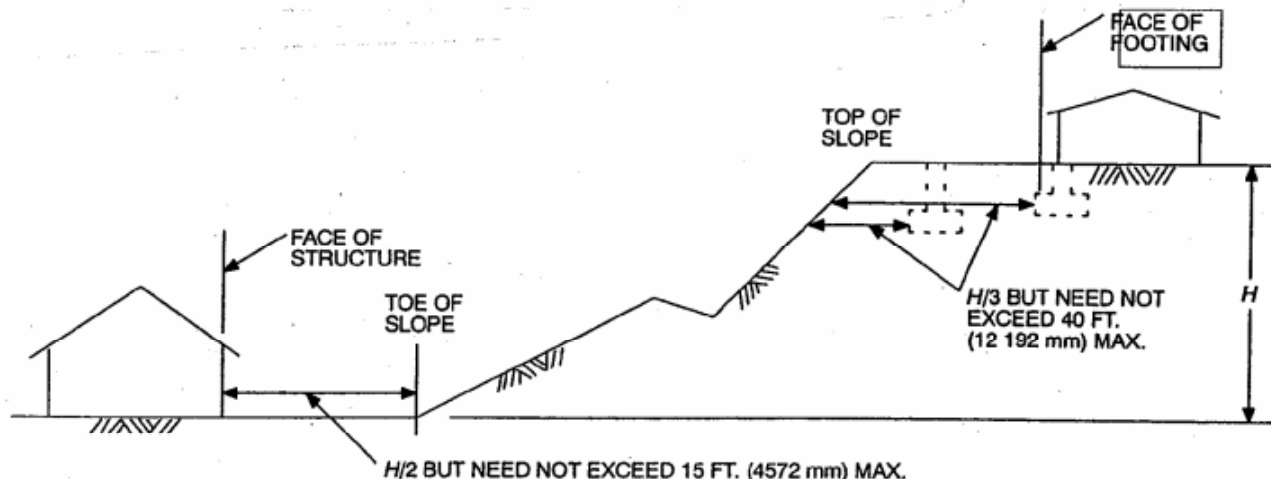


FIGURE 18-I-1—SETBACK DIMENSIONS



**PLACER COUNTY  
BUILDING DEPARTMENT  
AUBURN, CALIFORNIA**

**STANDARD - CHAPTER 18  
2001 California Building Code:**

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